

FIGURE 1

HKLK2.LA0	(6998)	AA-CTGAGCCTGATTATATTG-GAGCTTGGTTGCA-CAG-ACATGTCGA ::
PSE	(509)	AATCT-AG-C-TGA-TATAGTGTG-GCTAAACCTTCAGCACAAATC-A
HKLK2.LA0	(7044)	CCACCTTCATGGCTGAACCTTAGTACTTAGCCCCCTCCAGACGTCTACAGC ::
PSE	(553)	-CACCGTTA-GACT--A-TCTGGT--GT-G--GC-CCAAAC--CTTCAGG
HKLK2.LA0	(7094)	TGATAGGCTGTAACCCAACAT-TGTCAACCATAATCACATTGTTAGACTA ::
PSE	(598)	TGA-ACAAAGGGACTCTA-ATCTGGCAGGAT-ATTC-CA---AAG-C-A
HKLK2.LA0	(7143)	TCCAGTG-TGGCC-CAAGCTCCGTGTAAACACAGGCACTCTAAACAG-- ::
PSE	(638)	T-TAGAGATGACCTCTTGC-AAAG-AAAAAGAAATGGAAAAGAAAAAGAA
HKLK2.LA0	(7189)	-G-CAGGATTTCAAAAGCTT-AGAGATGACCTCCAGGAGCTGAATGC :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
PSE	(677)	AGAAAGGAAAAAAAAGAGATGACCTCTCAGGCTCTGAGGGG
HKLK2.LA0	(7236)	AAA-GACCTGGCCTCTTGGGCAAGGAGAACCTTACCGCACACTCTCC :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
PSE	(727)	AAACG-CCTGAGGTCTTGAGCAAGGTCAGTCCCTCTGTTGCACAGTCTCC
HKLK2.LA0	(7285)	TTCACAGGGTTATTGTGAGGATCAAATGTGGTCATGTGTGAGACACCA :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
PSE	(776)	CTCACAGGGTCATTGTGACGATCAAATGTGGTCACGTGTATGAGGCACCA :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
HKLK2.LA0	(7335)	GCACATGTCTGGCTGTGGAGAGTGAATTCTA--TGTGTGCTAACATTGCT :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
PSE	(826)	GCACATGCCTGGCTCTGGGAGTGGCGTGTAGTGTATGCTGACTGCT :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
HKLK2.LA0	(7383)	GAGTGCCTAAGAAAGTATTAGGCATGGCT-TTCAGCACTCACAGATGCTCA :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
PSE	(876)	GAATGCCTGGGATGIGTCAGGGAT-TATCTTCAGCACTCACAGATGCTCA

FIGURE 2A

FIGURE 2B

HKLK2.LA0 (7958) ACAGCTAAGGAGGCAGCATGAACCTTGTGTTCACATTGTTCACTTGCC
PSE (1434) ACAGCTTAGCAGACAGCATGAGGTTCATGTTCACATTAGTACACCTTGCC
HKLK2.LA0 (8008) CCCC--AATTCATAT-GGGATGATCAGAGCAGTTC-AGGTGGATG--G-A
PSE (1484) CCCCCCAAATCTGTAGGG-TGACCAGAGCAG-TCTAGGTGGATGCTGTG
HKLK2.LA0 (8051) CA-CAGGGGTTGTGGCAAAGGTGAGCAACCTAG-GCTTAGAAATCCTCA
PSE (1532) CAGAAGGGGTTGTGCCACTGGTGAGAAACCT-GAGATTAGGAATCCTCA
HKLK2.LA0 (8099) ATCTTATAAGAAGGTACT---AGCAAACTTGTC-CAGTCCTTGTATCTGA
PSE (1581) ATCTTAT-ACTGGG-ACAACCTGCAAACCTG-CTCAGCCTTGTCTGT
HKLK2.LA0 (8145) CGGAGATATTATCTTTATAAT-TGGG-TTGAAGCAGACCTACTCTGGAG
PSE (1628) TGAAGATATTATCTTCATGATCTTGATTGAAAACAGACCTACTCTGGAG
HKLK2.LA0 (8193) GAACATATTGTATTTATTGTCTT-GAACAGTAAACAAATCTGCTGTAAAA
PSE (1678) GAACATATTGTATCGATTGTCTTGTG-ACAGTAAACAAATCTGTTGT--AA
HKLK2.LA0 (8242) TAGACGTTAACCTTATTATCTAAGG-CAGTAAGCAAACCTAGATCTGAAG
PSE (1725) GAGACATTATCTTATTATCT-AGGACAGTAAGCAAGCCTGGATCTG-AG
HKLK2.LA0 (8291) -GCGATACCATCTGCAAGGCTATCTGCTGTACAAATATGCTTGAAGA
PSE (1773) AGAGATATCATCTGCAAGGATGCCTGCTTACAAACATCCTGAAACAA
HKLK2.LA0 (8340) TGGTCCAGAAAAGAAAACGGTATTATTGCCTTGCTCAGAAGACACACAG
PSE (1823) CAATCCAGAAA-AAAAAGGIGTTGCTGTCTTGCTCAGAAGACACACAG
HKLK2.LA0 (8390) AAACATAAGAGAACCATGGAAAATTGTCCTCCAAACACTGTTCACCCAGAG
PSE (1872) ATACGTGACAGAACCATGGAGAATTGCCTCCAAACGCTGTTCAGCCAGAG
HKLK2.LA0 (8440) CCTTCCACTCTGCTGCAAGCACAGTCTAACATCCCACATCATTAG-T-GT
PSE (1922) CCTTCCACCCCTGTCAGCAGACAGCTCAACGTTCCACCAATTAAACT

FIGURE 2C

HKLK2.LA0	(8488)	--GTCTACCATCTGGCTTACCGTGCCTAACCAAGATTTCTAGGTCCA
PSE	(1972)	TCTTCTATCACATCCTGCTTCTTATGCCTAACCAAG-GTTCTAGGTCCC
HKLK2.LA0	(8536)	GTTCCCCACCATGTTGGCAGTGCCAACCCCCAGAATAAGGGA
PSE	(2021)	GAT--CGACTG1GTCTGGCAGCACTCCACTGCCAACCCCCAGAATAAGGCA
HKLK2.LA0	(8586)	GTGCTCAGAATTCCGA
PSE	(2069)	GGGCTCAGGATCCCGA

FIGURE 2D

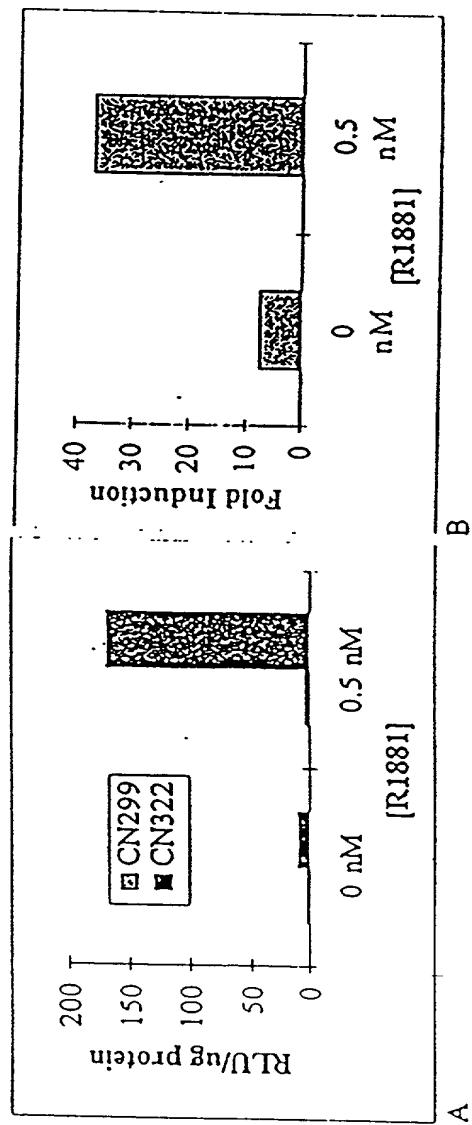


FIGURE 3

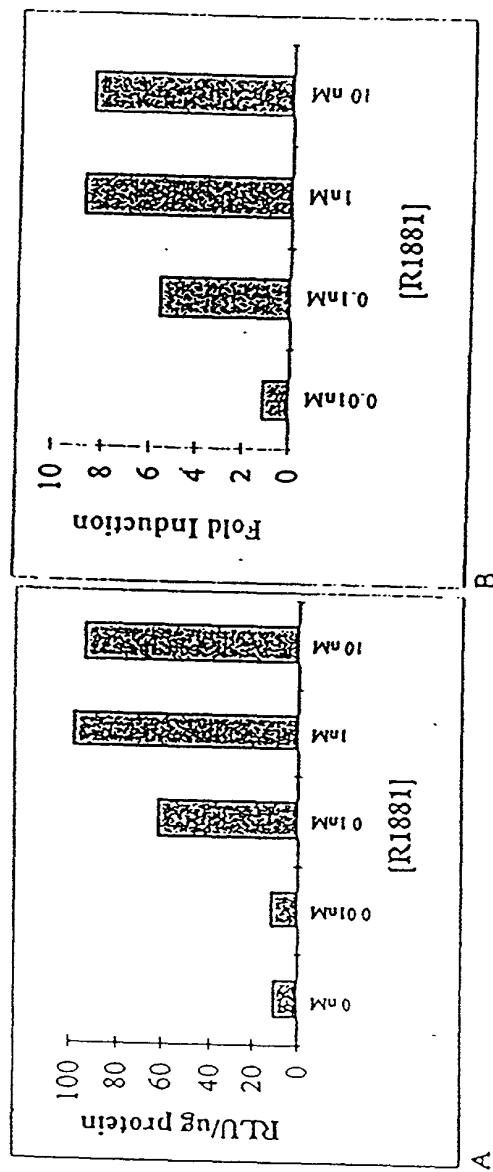


FIGURE 4

FIGURE 5

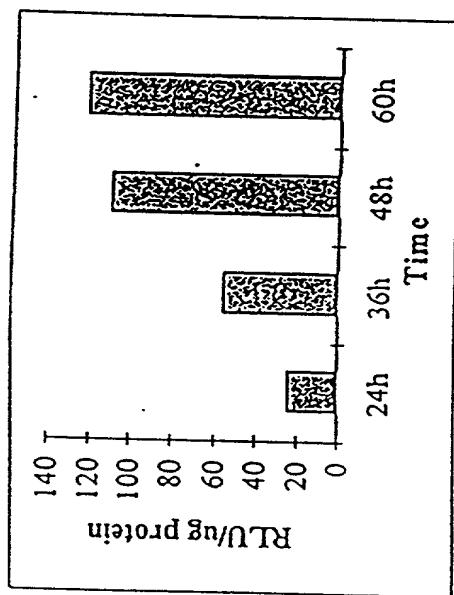
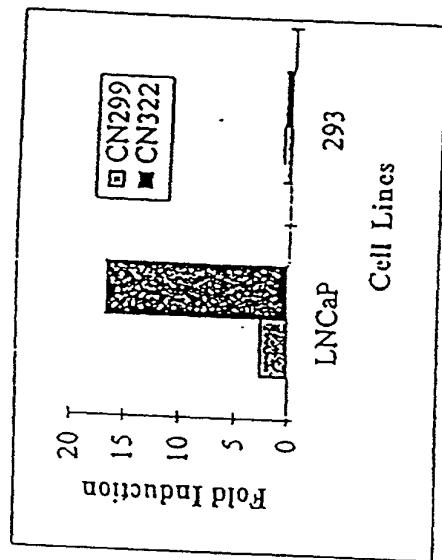


FIGURE 6



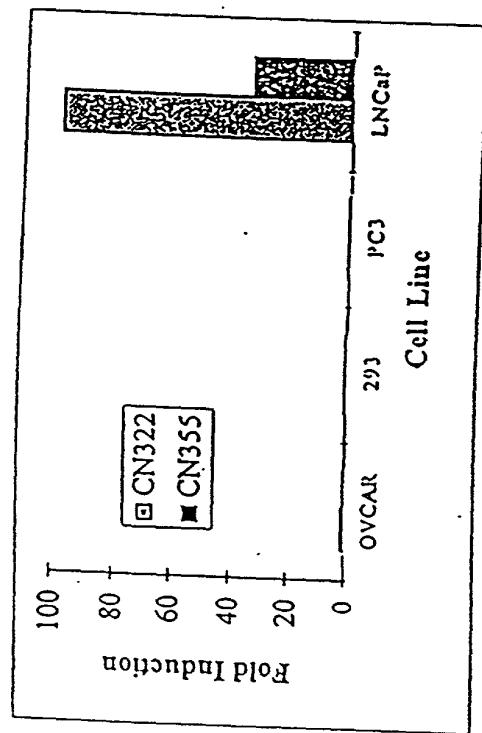


FIGURE 7

	Fold Induction		
CN379	-5155	-3387	-324
CN386		-3529	81
CN387		-3643	50
CN388	-4814	-3387	90
CN389		-3529	35
CN390		-3643	30
CN391	-4457	-3387	96
CN392		-3529	61
CN393		-3643	53
CN394	-3993	-3387	30
CN395		-3529	55
CN396		-3643	45
			37

FIGURE 8

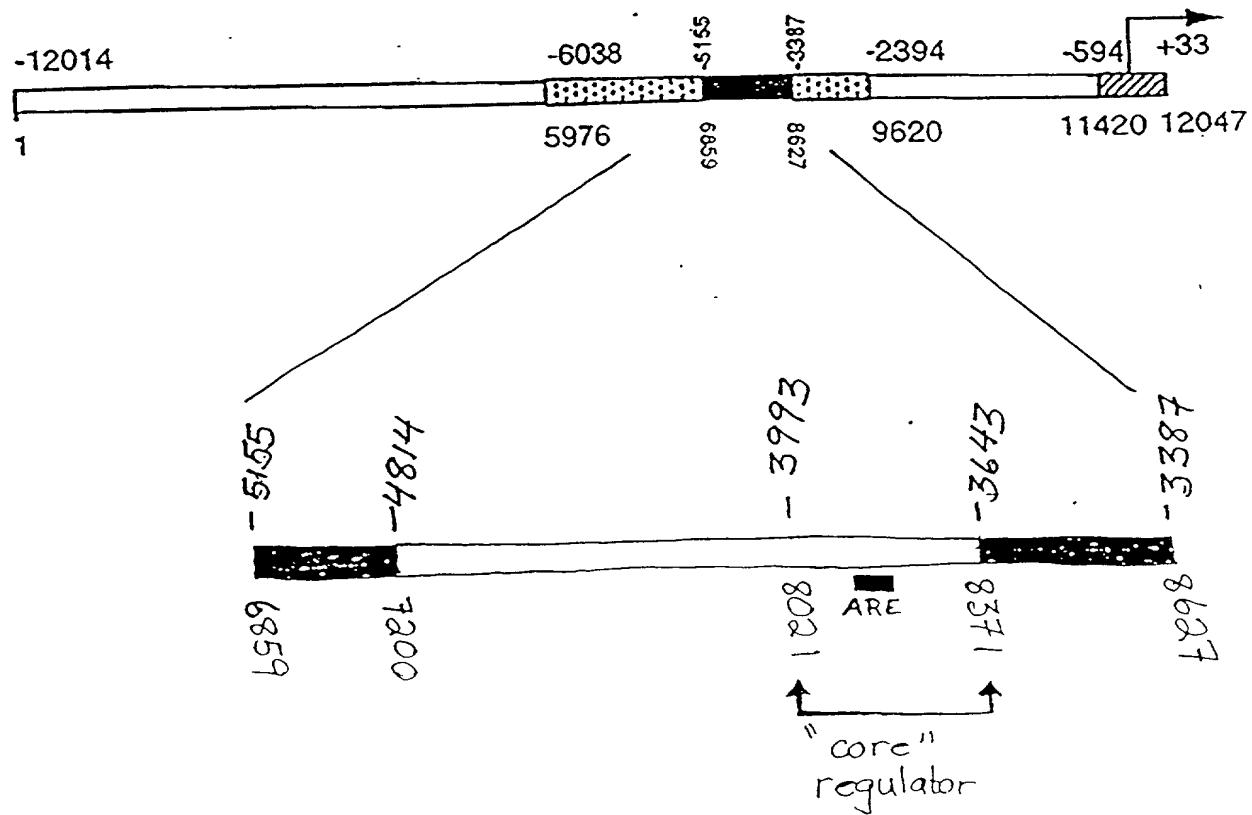
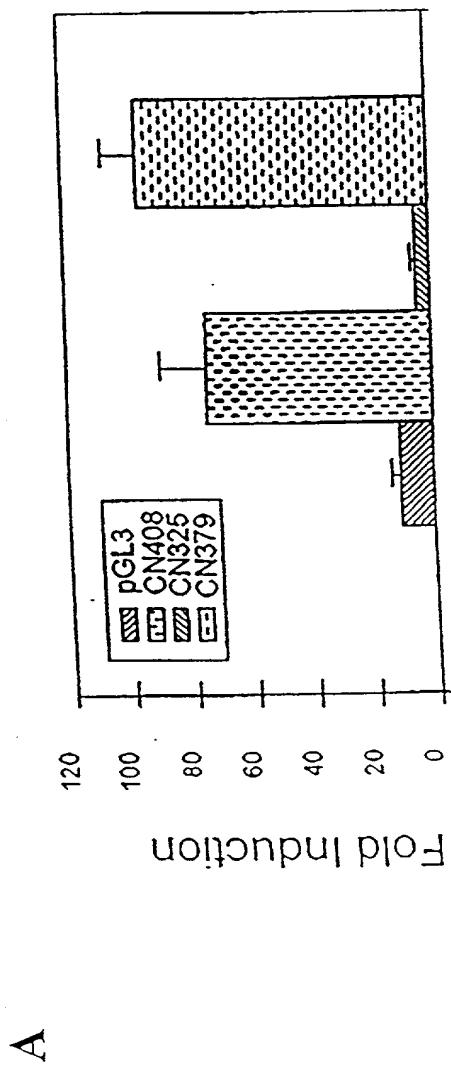


FIGURE 9



Constructs

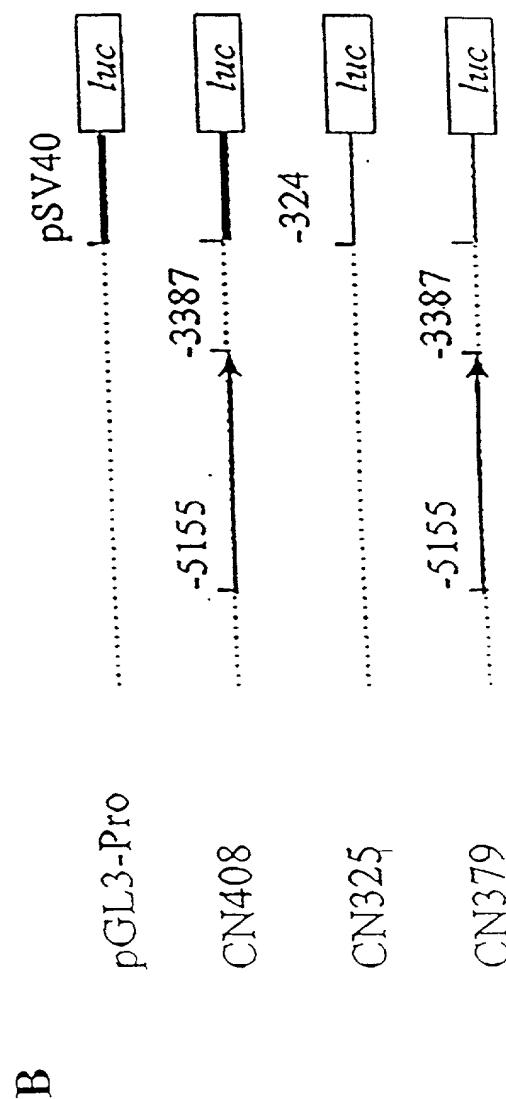


FIGURE 10

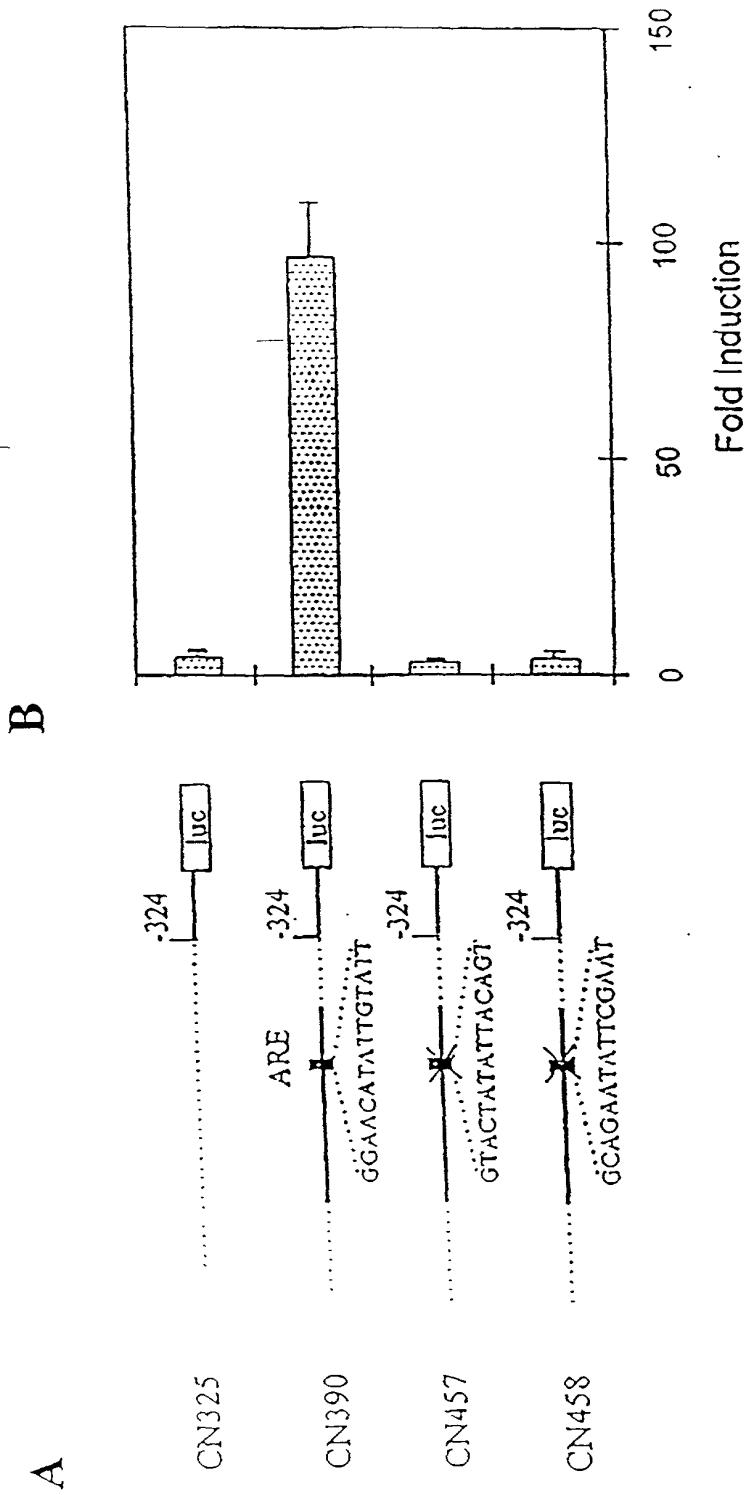


FIGURE 11

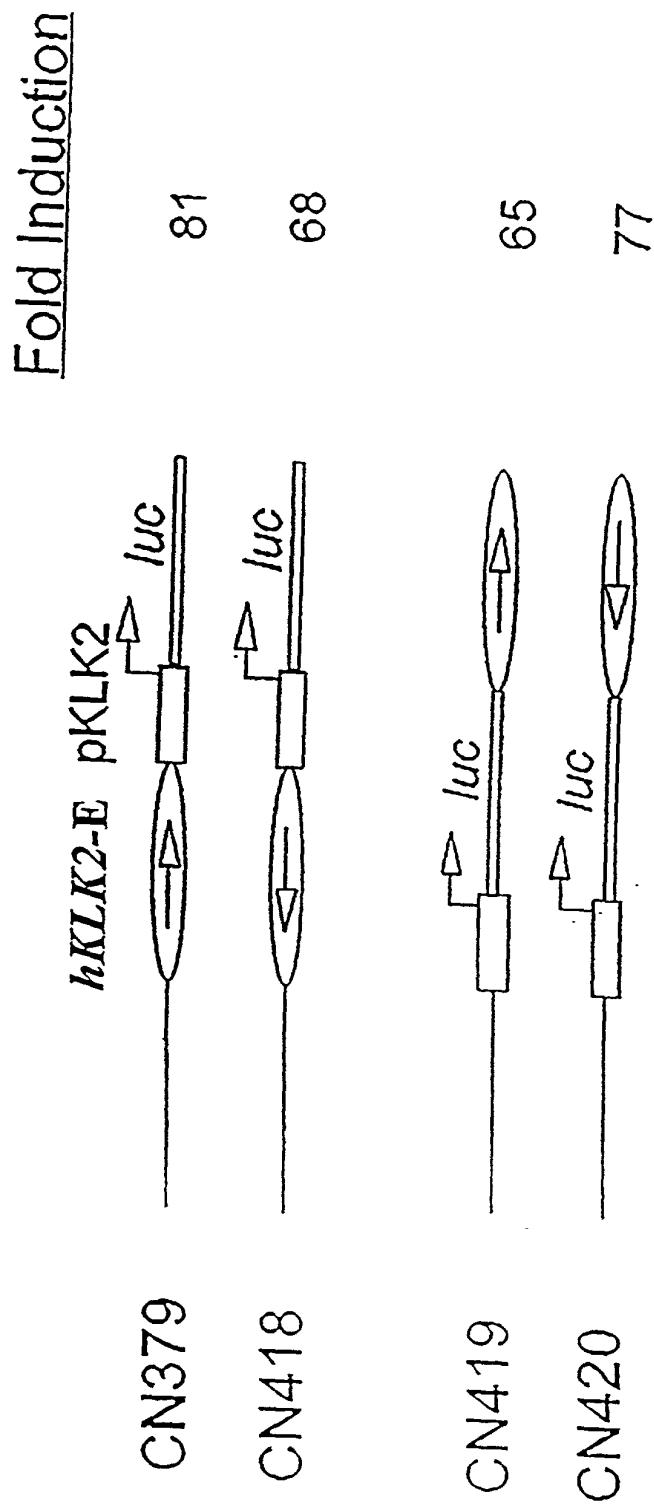


FIGURE 12

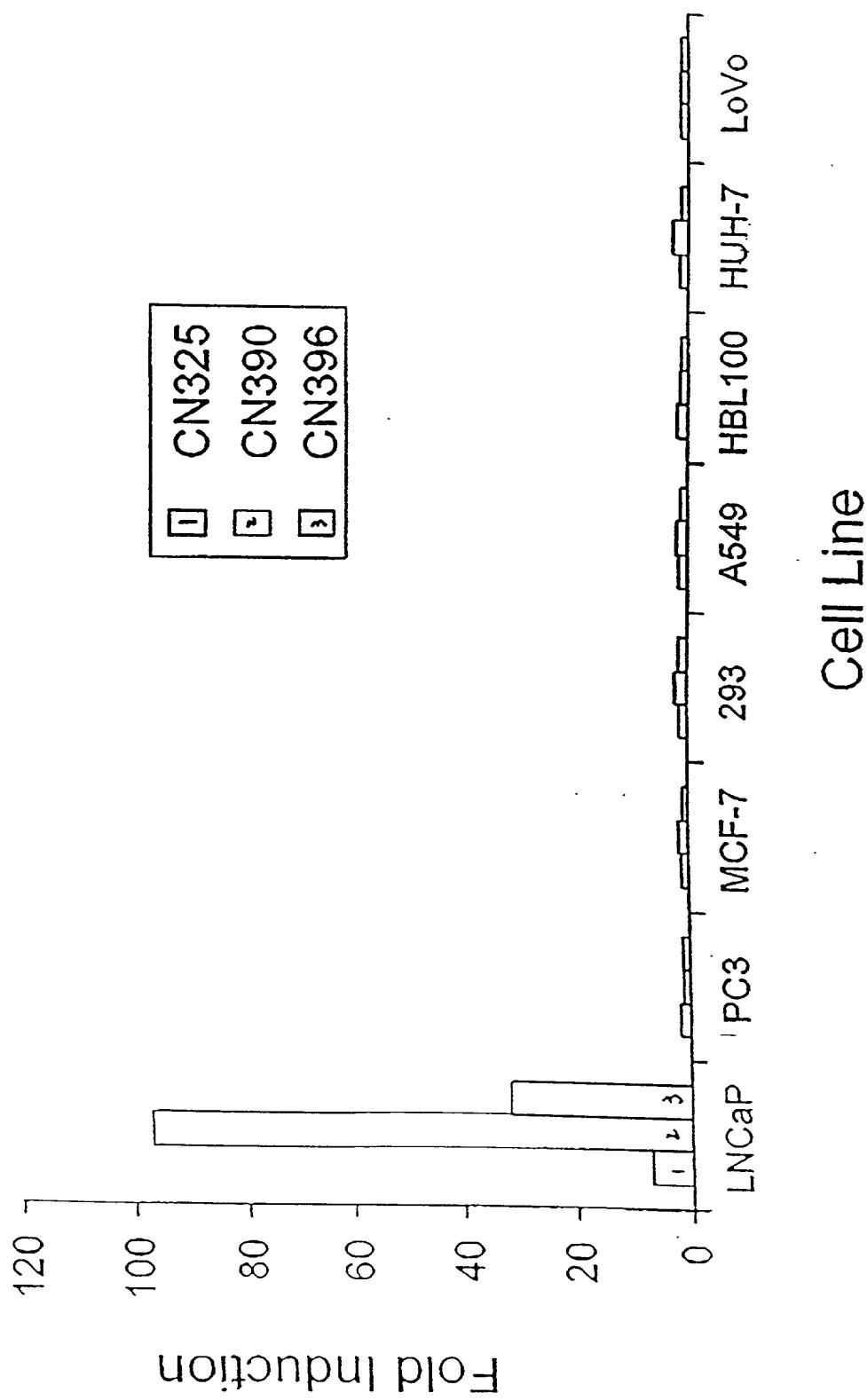


FIGURE 13

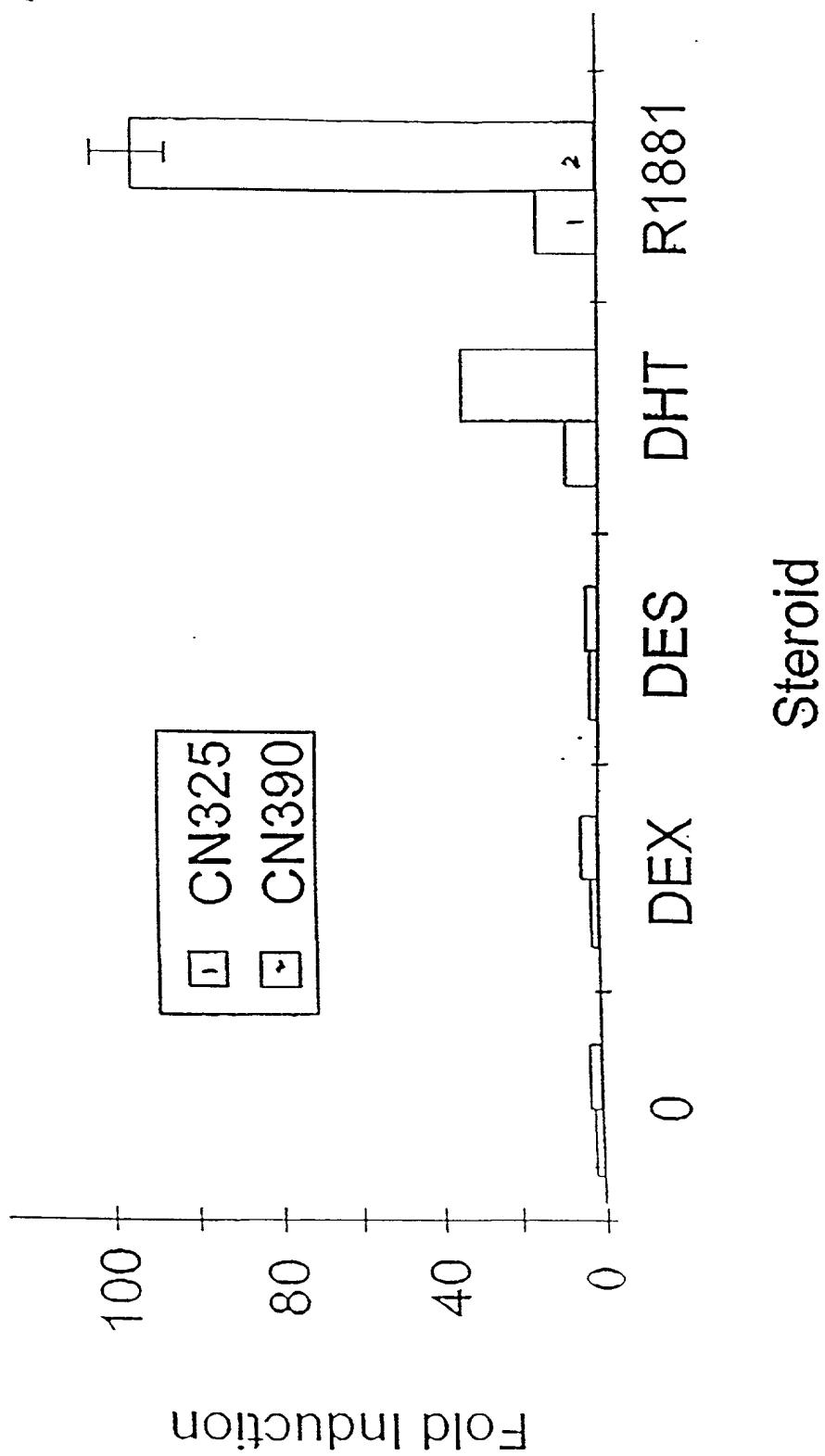


FIGURE 14

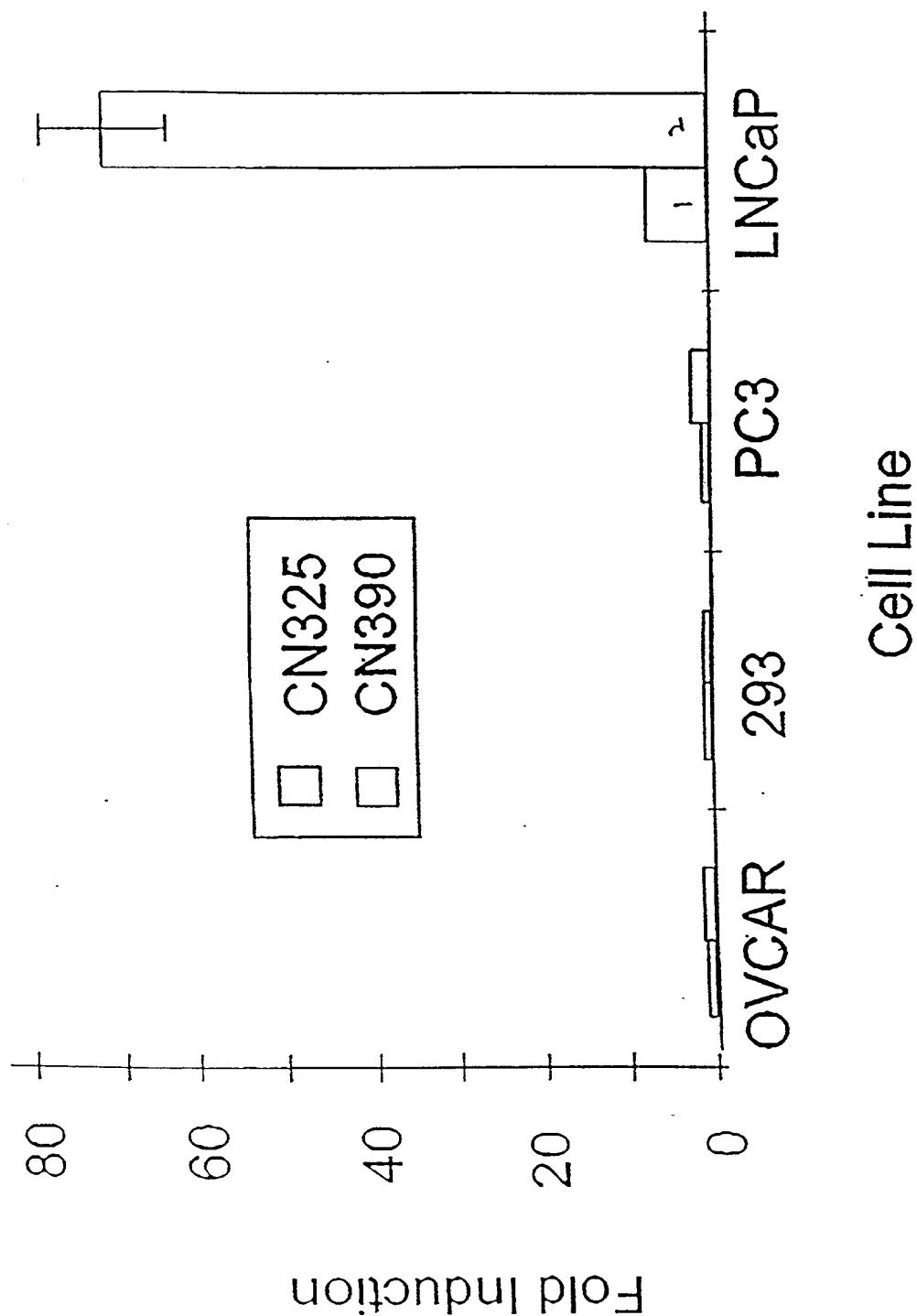


FIGURE 15

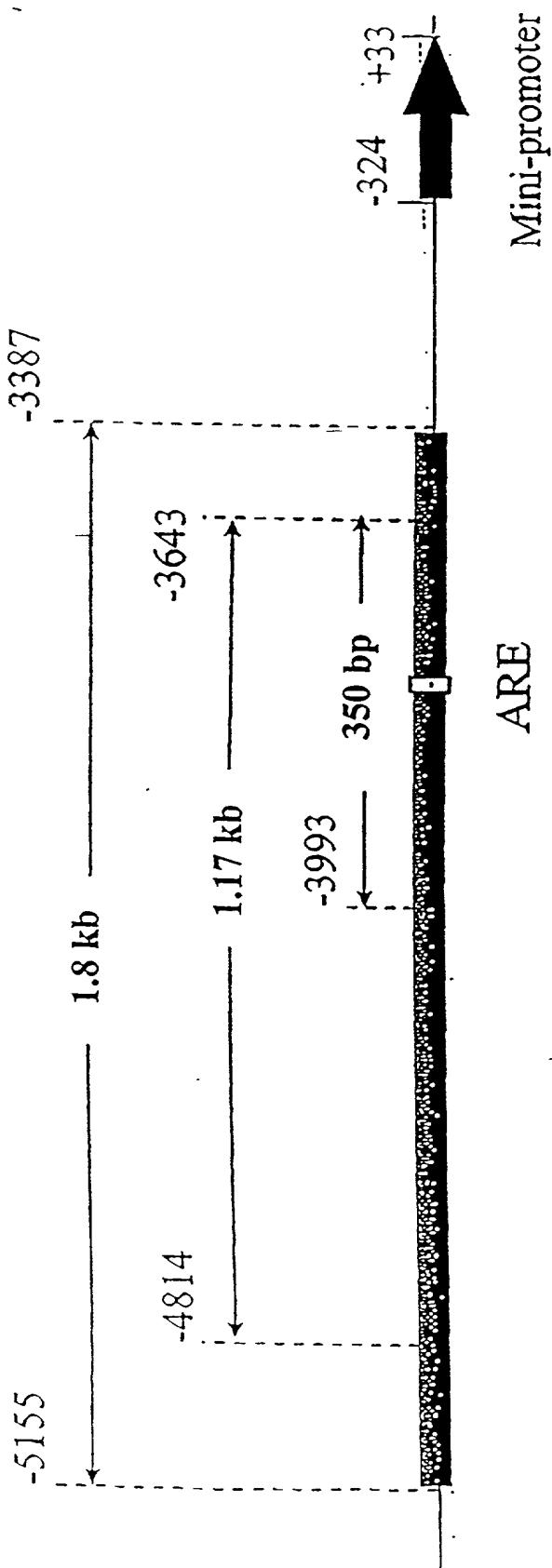


FIGURE 16

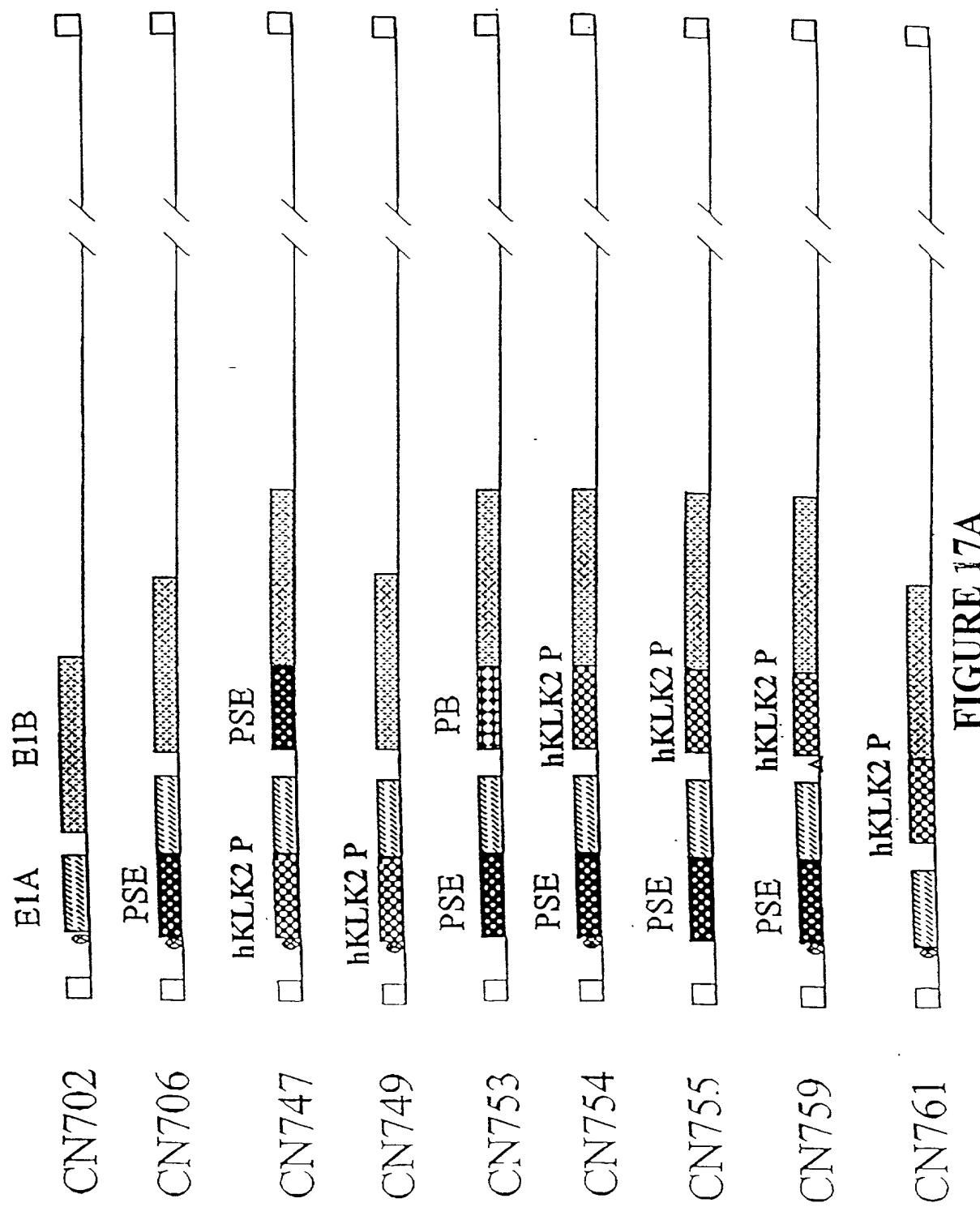
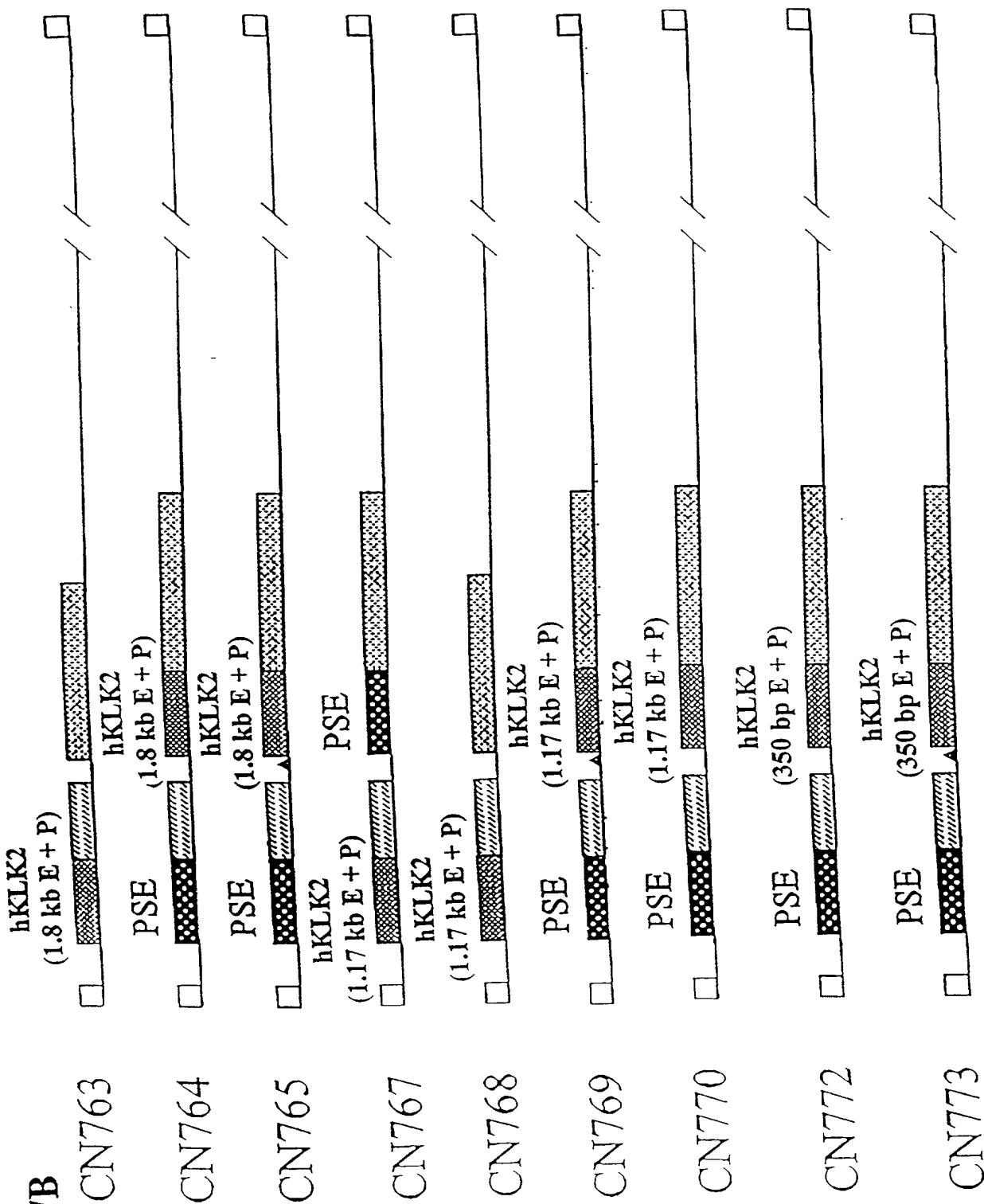


FIGURE 17A

FIGURE 17B



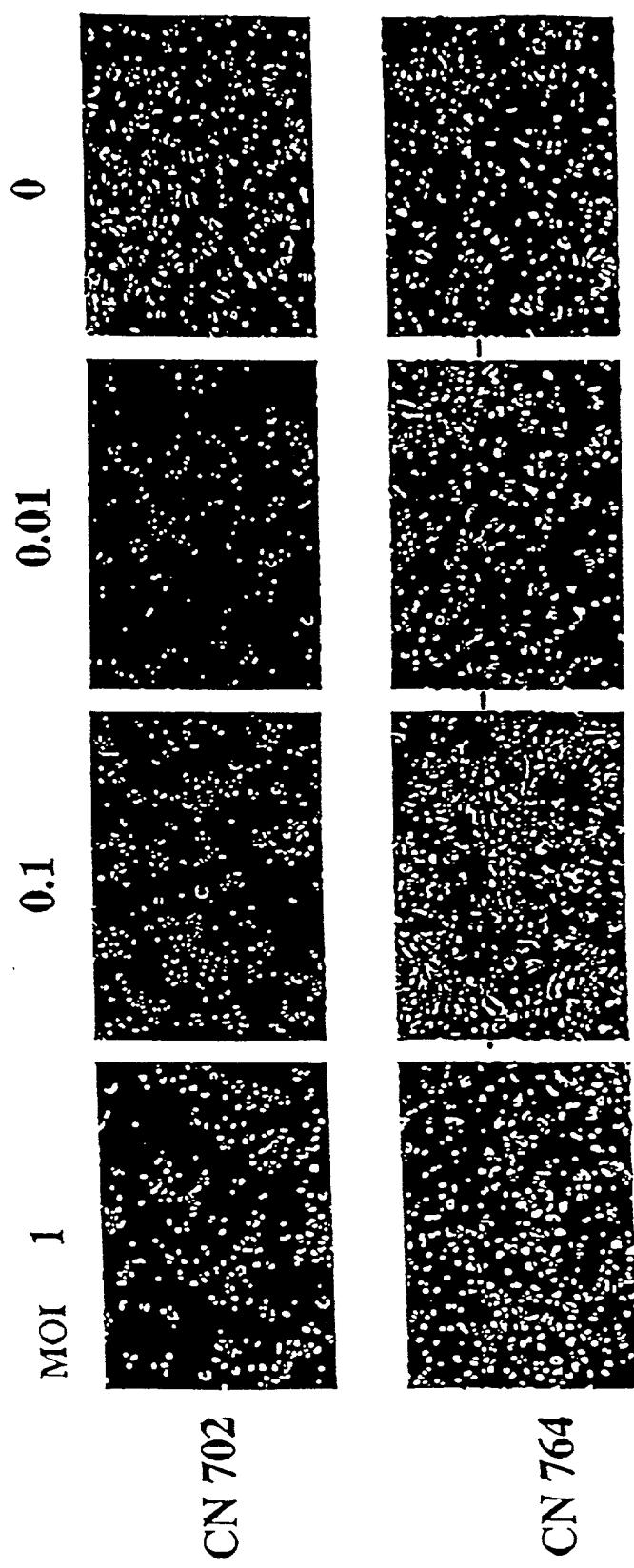


FIGURE 18

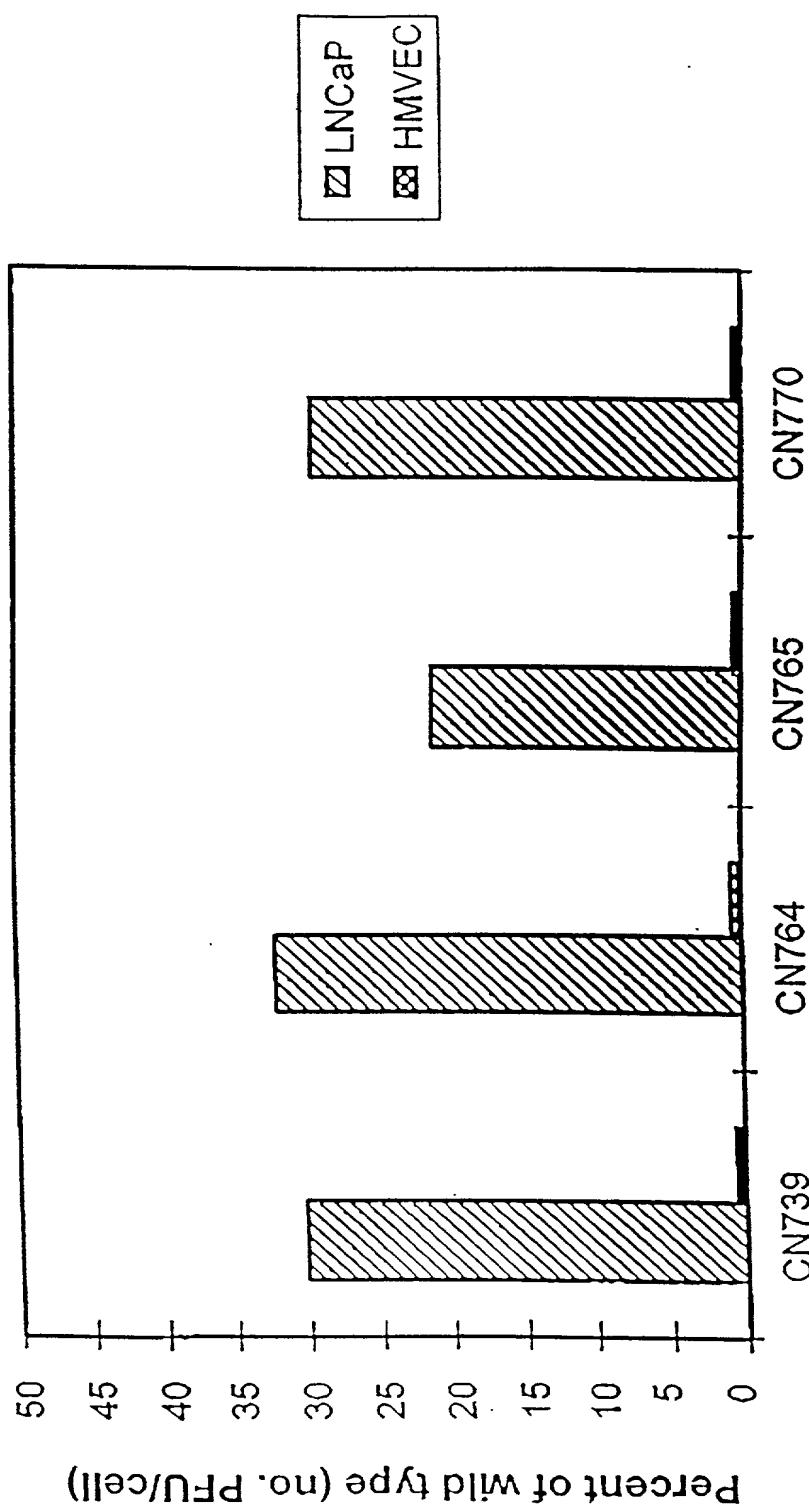


FIGURE 19

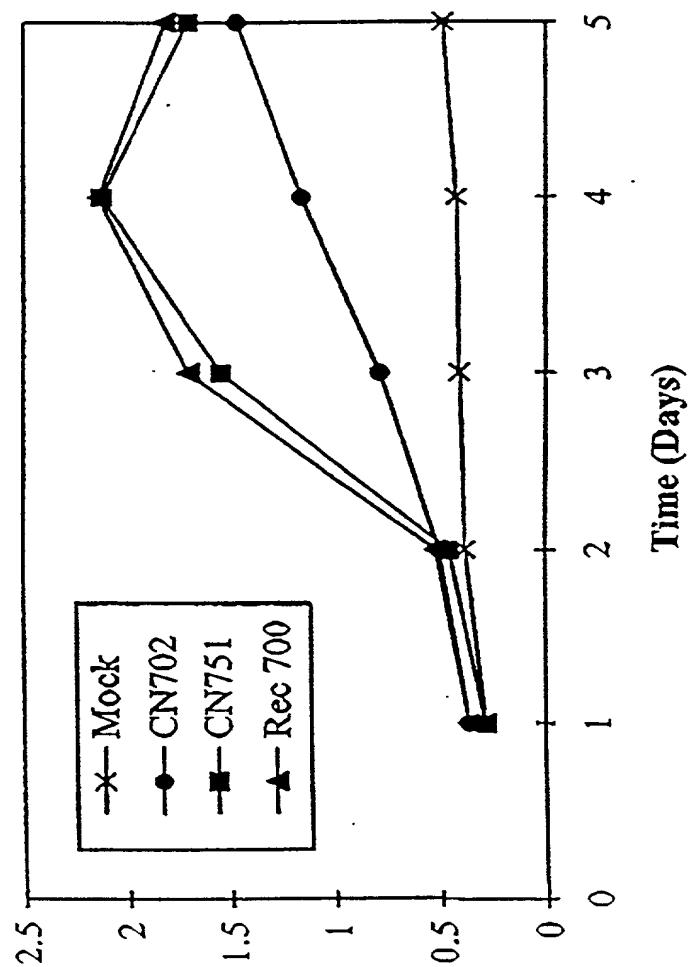


FIGURE 20

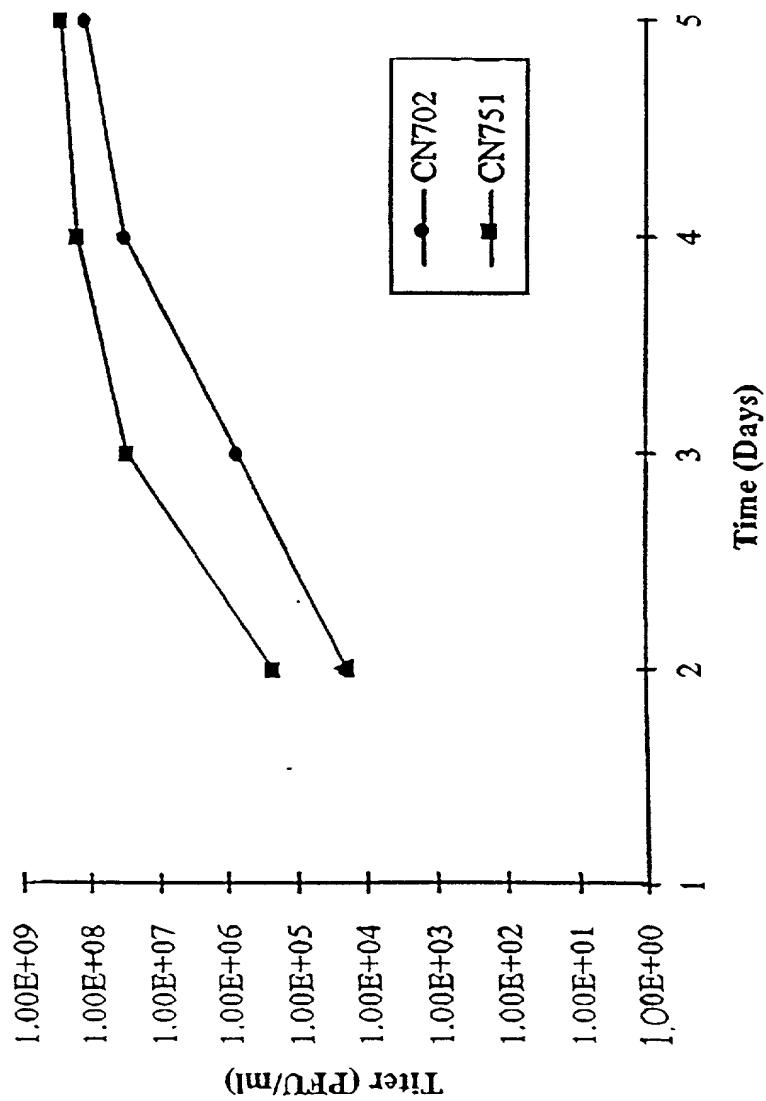


FIGURE 21

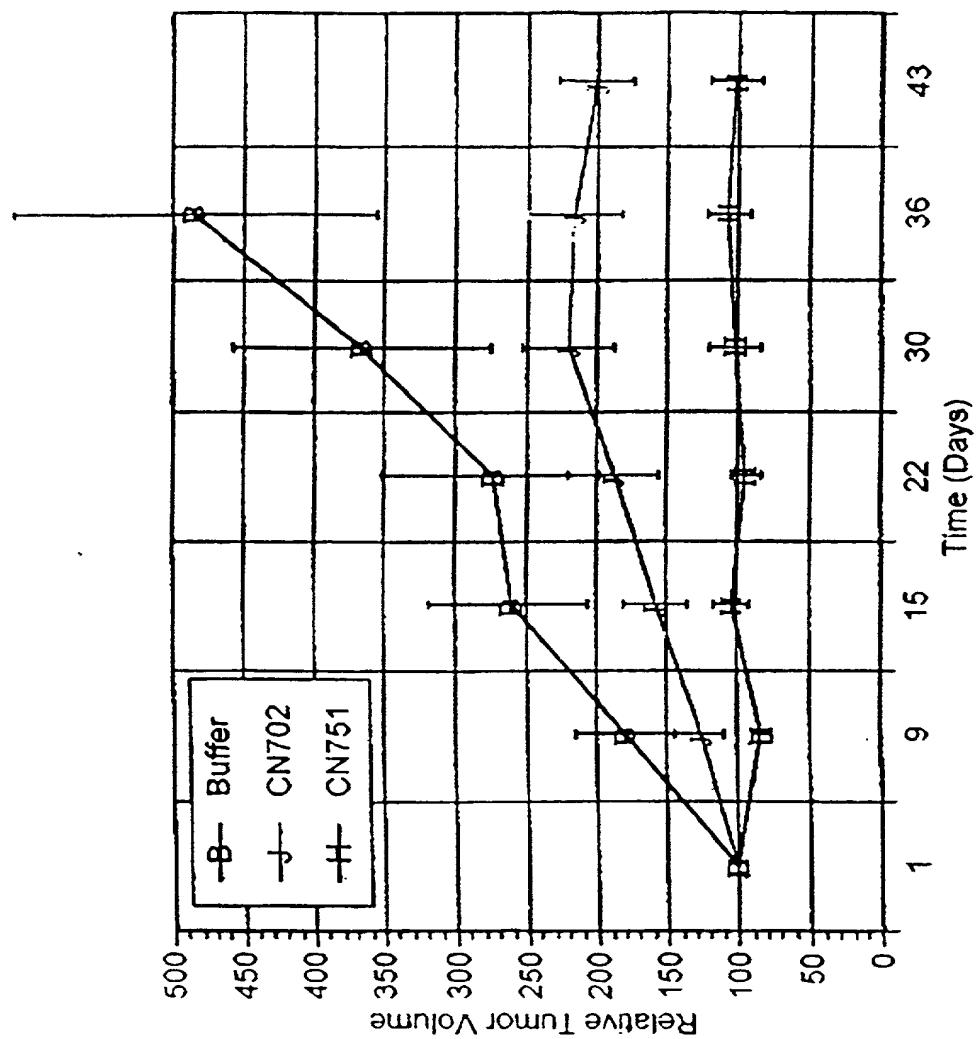


FIGURE 22

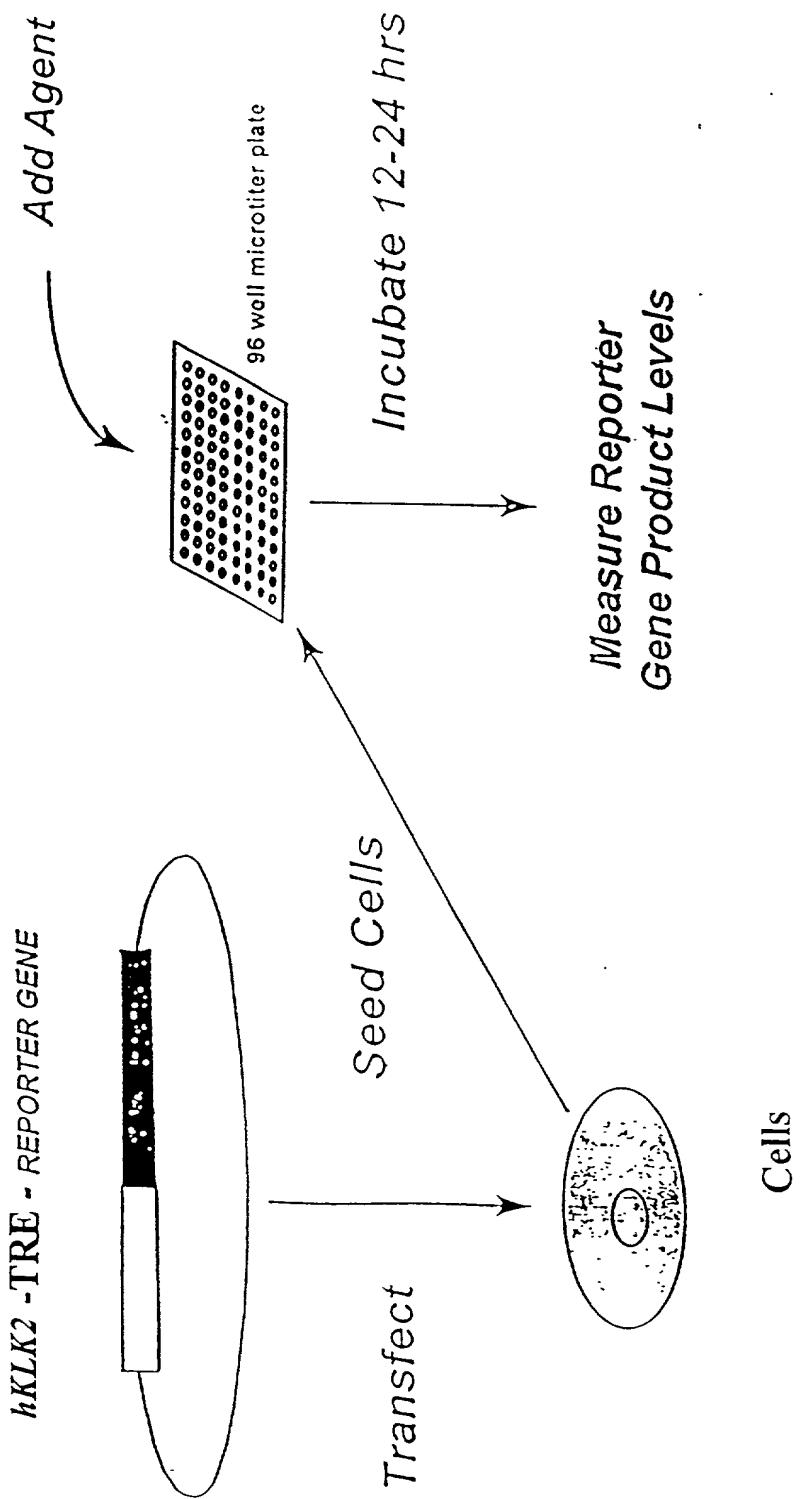
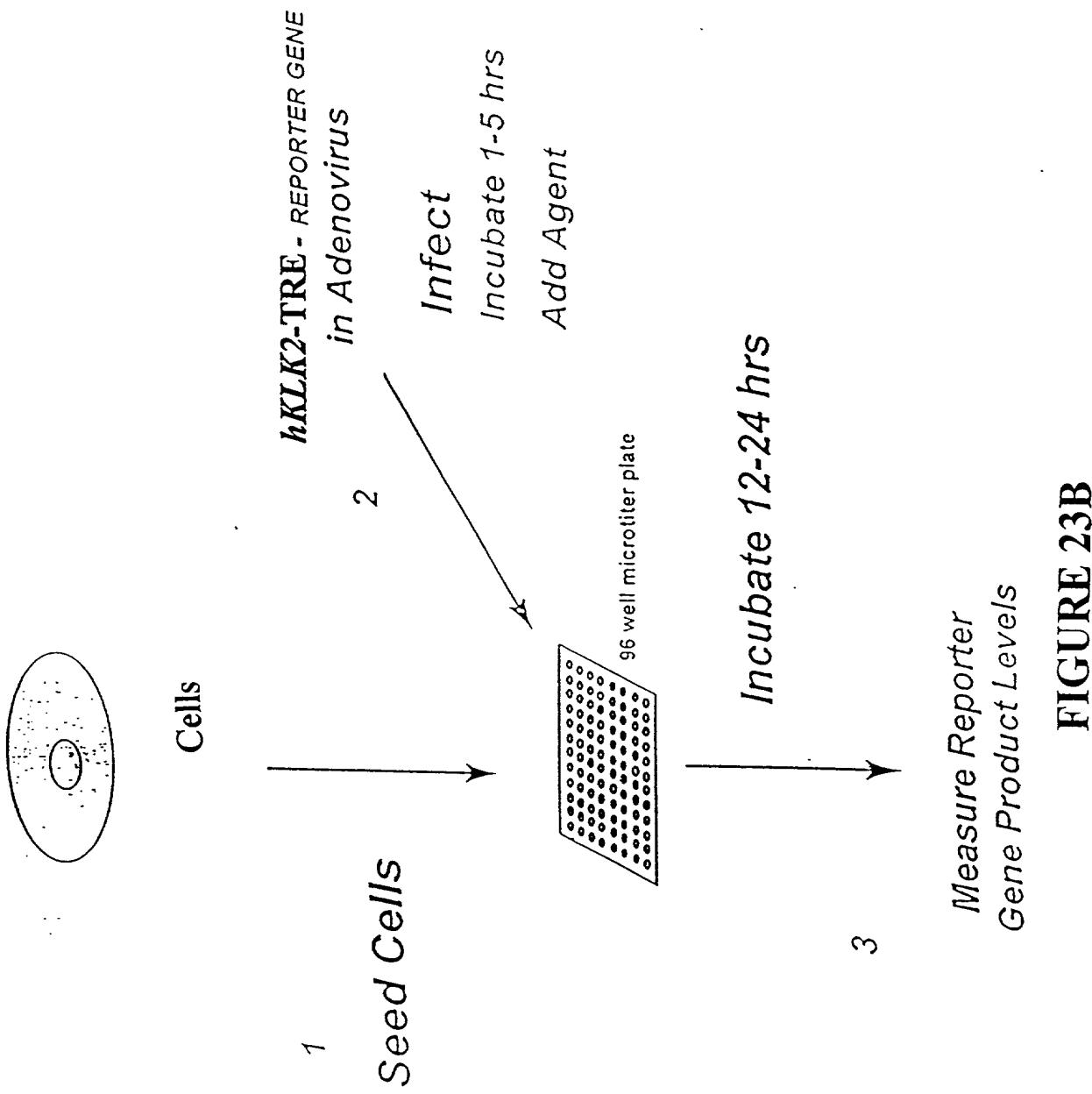


FIGURE 23A



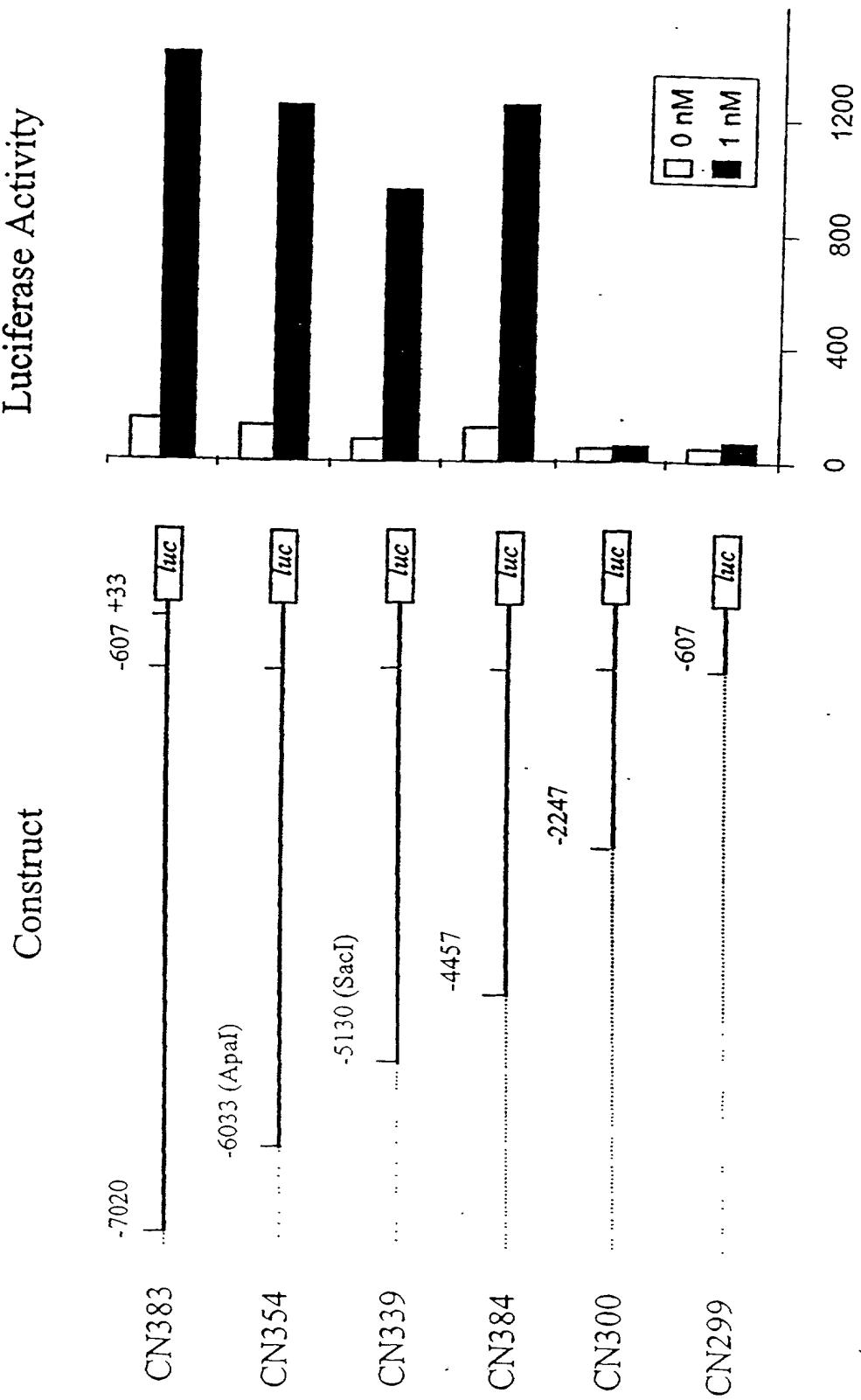
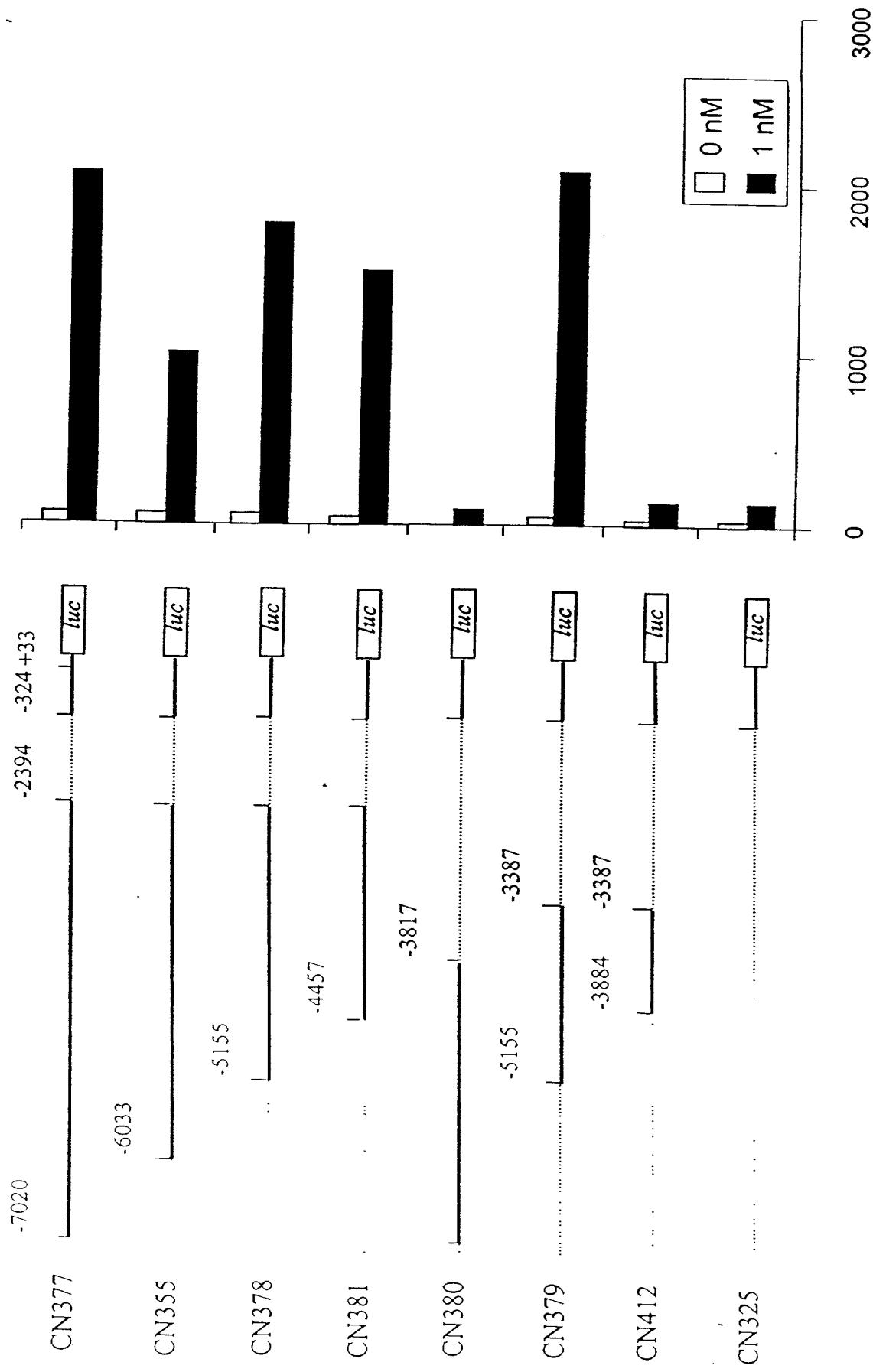


FIGURE 24A

FIGURE 24B Construct



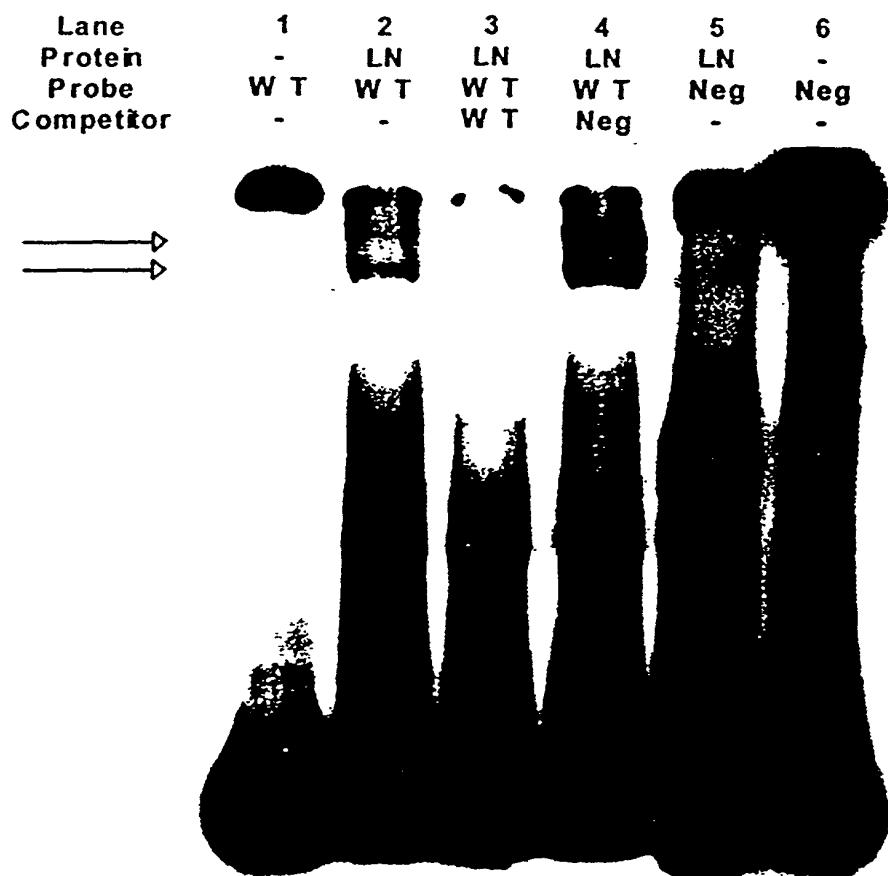


FIGURE 25A

008752200901 302200

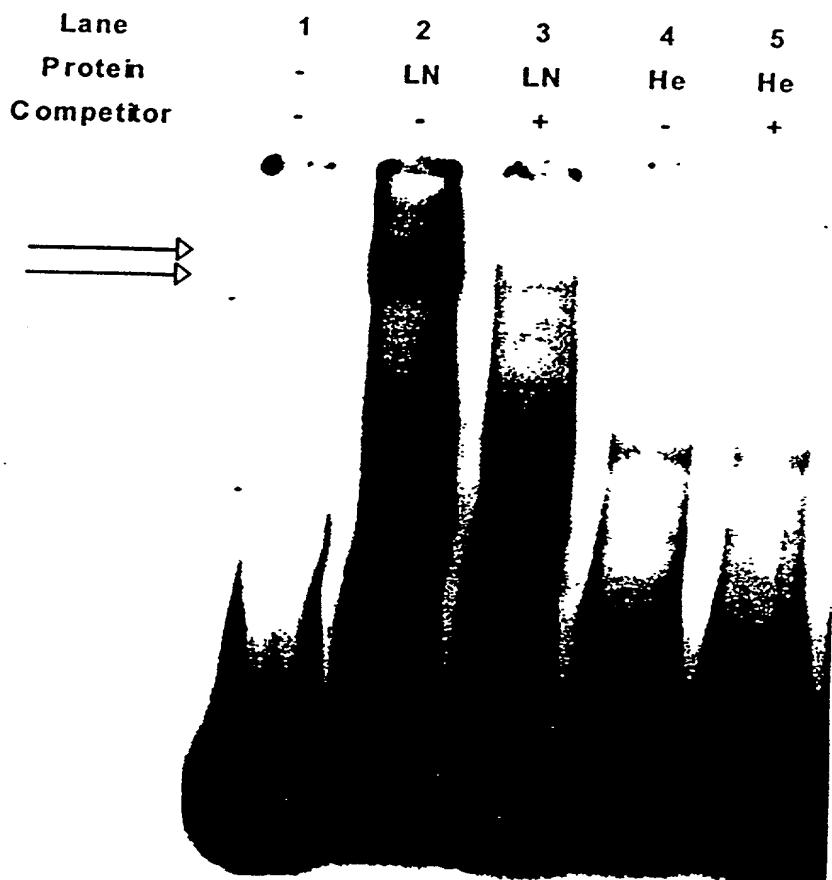


FIGURE 25B

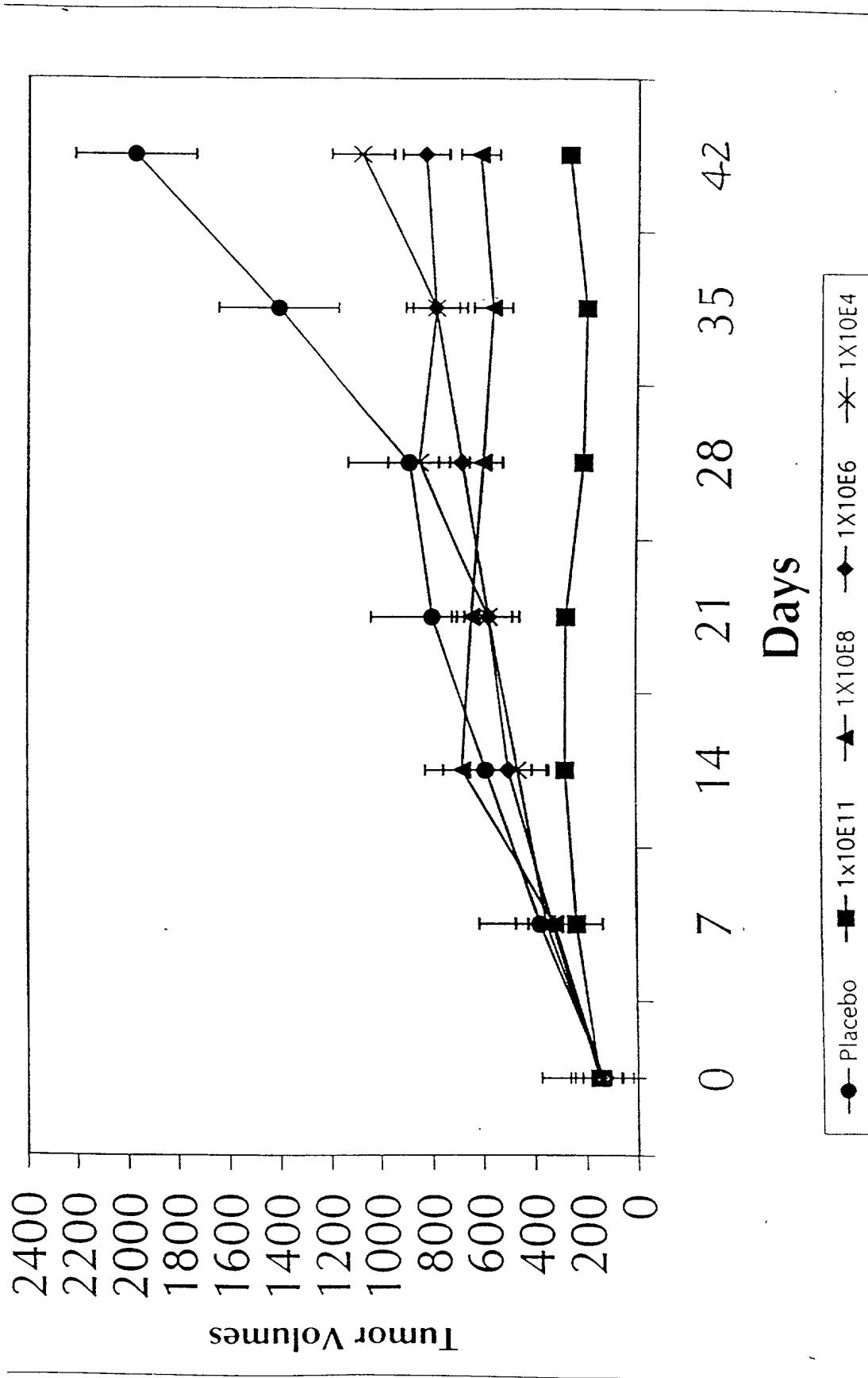


FIGURE 26